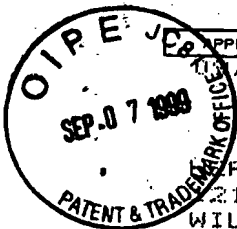




09/020,062  
UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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Washington, D.C. 20231



APPLICATION NUMBER 09/020,062	FILING DATE 02/06/98	FIRST NAMED APPLICANT SMITH	ATTORNEY DOCKET NO. S GS-7-A
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ROBERT M WOLFSON  
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PM32/0607

EXAMINER  
BUTLER, D

ART UNIT  
3613

PAPER NUMBER  
8

DATE MAILED: 06/07/99

GS-7A  
for due  
9/7/99

This is a communication from the examiner in charge of your application.  
COMMISSIONER OF PATENTS AND TRADEMARKS

### NOTICE OF ALLOWABILITY

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

- ☒ This communication is responsive to Paper Nos. 6-7
- ☒ The allowed claim(s) is/are 1-2, 5-7 with claims 3-4 canceled
- ☐ The drawings filed on \_\_\_\_\_ are acceptable.
- ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- ☐ All ☐ Some\* ☐ None of the CERTIFIED copies of the priority documents have been
- ☐ received.
- ☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_
- ☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- \*Certified copies not received: \_\_\_\_\_

+ 6

- ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

- ☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.
- ☒ Applicant MUST submit NEW FORMAL DRAWINGS
- ☐ because the originally filed drawings were declared by applicant to be informal.
- ☒ including changes required by the Notice of Draftperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No. 5
- ☐ including changes required by the proposed drawing correction filed on \_\_\_\_\_, which has been approved by the examiner.
- ☐ including changes required by the attached Examiner's Amendment/Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftperson.

- ☐ Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

#### Attachment(s)

- ☐ Notice of References Cited, PTO-892
- ☐ Information Disclosure Statement(s), PTO-1449, Paper No(s): \_\_\_\_\_
- ☐ Notice of Draftperson's Patent Drawing Review, PTO-948
- ☐ Notice of Informal Patent Application, PTO-152
- ☐ Interview Summary, PTO-413
- ☐ Examiner's Amendment/Comment
- ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- ☐ Examiner's Statement of Reasons for Allowance

DOUGLAS C. BUTLER  
PRIMARY EXAMINER

AU360



FORM PTO 948 (REV. 11-97)

U.S. DEPARTMENT OF COMMERCE-Patent and Trademark Office

Application No. 020 063

# NOTICE OF DRAFTPERSON'S PATENT DRAWING REVIEW

\_\_\_\_\_ing filed (Insert date) \_\_\_\_\_ure:

- A. \_\_\_\_\_ not objected to by the Draftperson under 37 CFR 1.84 or 1.152.
- B. ☒ objected to by the Draftperson under 37 CFR 1.84 or 1.152 as indicated below. The Examiner will require submission of new, corrected drawings wile necessary. Corrected drawings must be submitted according to the instructions on the back of this notice.

## 1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:

Black ink. Color.

\_\_\_\_\_ Color drawing are not acceptable until petition is granted.

Fig.(s) \_\_\_\_\_

\_\_\_\_\_ Pencil and non black ink is not permitted. Fig(s) \_\_\_\_\_

## 2. PHOTOGRAPHS. 37 CFR 1.84(b)

\_\_\_\_\_ Photographs are not acceptable until petition is granted,

\_\_\_\_\_ 3 full-tone sets are required. Fig(s) \_\_\_\_\_

\_\_\_\_\_ Photographs not properly mounted (must bristol board or photographic double-weight paper). Fig(s) \_\_\_\_\_

\_\_\_\_\_ Poor quality (half-tone). Fig(s) \_\_\_\_\_

## 3. TYPE OF PAPER. 37 CFR 1.84(e)

\_\_\_\_\_ Paper not flexible, strong, white and durable.

Fig.(s) \_\_\_\_\_

\_\_\_\_\_ Erasures, alterations, overwritings, interlineations, folds, copy machine marks not acceptable. (too thin)

\_\_\_\_\_ Mylio, vellum paper is not acceptable (too thin).

Fig(s) \_\_\_\_\_

## 4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:

\_\_\_\_\_ 21.0 cm by 29.7 cm (DIN size A4)

\_\_\_\_\_ 21.6 cm by 27.9 cm (9 1/2 x 11 inches)

\_\_\_\_\_ All drawings sheets not the same size.

Sheet(s) \_\_\_\_\_

## 5. MARGINS. 37 CFR 1.84(g): Acceptable margins:

Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm  
SIZE: A4 Size

Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm  
SIZE: 8 1/2 x 11

\_\_\_\_\_ Margins not acceptable. Fig(s) \_\_\_\_\_

Top (T) \_\_\_\_\_ Left (L) \_\_\_\_\_

Right (R) \_\_\_\_\_ Bottom (B) \_\_\_\_\_

## 6. VIEWS. CFR 1.84(h)

REMINDER: Specification may require revision to correspond to drawing changes.

\_\_\_\_\_ Views connected by projection lines or lead lines.

Fig.(s) \_\_\_\_\_

Partial views. 37 CFR 1.84(h)(2).

\_\_\_\_\_ Brackets needed to show figure as one entity.

Fig.(s) \_\_\_\_\_

\_\_\_\_\_ Views not labeled separately or properly.

Fig.(s) \_\_\_\_\_

\_\_\_\_\_ Enlarged view not labeled separately or properly.

Fig.(s) \_\_\_\_\_

## 7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)

\_\_\_\_\_ Hatching not indicated for sectional portions of an object.

Fig.(s) \_\_\_\_\_

☒ Sectional designation should be noted with Arabic or

Roman numbers. Fig.(s) \_\_\_\_\_

## 8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)

\_\_\_\_\_ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned, so that the top becomes the right side, except for graphs. Fig.(s) \_\_\_\_\_

\_\_\_\_\_ Views not on the same plane on drawing sheet. Fig.(s) \_\_\_\_\_

## 9. SCALE. 37 CFR 1.84(k)

\_\_\_\_\_ Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction.

Fig.(s) \_\_\_\_\_

## 10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l)

\_\_\_\_\_ Lines, numbers & letters not uniformly thick and well defined, clean, durable and black (poor line quality).

Fig.(s) \_\_\_\_\_

## 11. SHADING. 37 CFR 1.84(m)

\_\_\_\_\_ Solid black areas pale. Fig.(s) \_\_\_\_\_

\_\_\_\_\_ Solid black shading not permitted. Fig.(s) \_\_\_\_\_

\_\_\_\_\_ Shade lines, pale, rough and blurred. Fig.(s) \_\_\_\_\_

## 12. NUMBERS, LETTERS, & REFERENCE CHARACTERS.

37 CFR 1.48(p)

\_\_\_\_\_ Numbers and reference characters not plain and legible.

Fig.(s) \_\_\_\_\_

\_\_\_\_\_ Figure legends are poor. Fig.(s) \_\_\_\_\_

\_\_\_\_\_ Numbers and reference characters not oriented in the same

direction as the view. 37 CFR 1.84(p)(3) Fig.(s) \_\_\_\_\_

\_\_\_\_\_ English alphabet not used. 37 CFR 1.84(p)(3) Fig.(s) \_\_\_\_\_

\_\_\_\_\_ Numbers, letters and reference characters must be at least:

.32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig.(s) \_\_\_\_\_

## 13. LEAD LINES. 37 CFR 1.84(q)

\_\_\_\_\_ Lead lines cross each other. Fig.(s) \_\_\_\_\_

\_\_\_\_\_ Lead lines missing. Fig.(s) \_\_\_\_\_

## 14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.48(t)

\_\_\_\_\_ Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Fig.(s) \_\_\_\_\_

## 15. NUMBERING OF VIEWS. 37 CFR 1.84(u)

\_\_\_\_\_ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig.(s) \_\_\_\_\_

## 16. CORRECTIONS. 37 CFR 1.84(w)

\_\_\_\_\_ Corrections not made from PTO-948 dated \_\_\_\_\_

## 17. DESIGN DRAWINGS. 37 CFR 1.152

\_\_\_\_\_ Surface shading shown not appropriate. Fig.(s) \_\_\_\_\_

\_\_\_\_\_ Solid black shading not used for color contrast.

Fig.(s) \_\_\_\_\_

COMMENTS

REVIEWER \_\_\_\_\_

DATE 6/11/98

TELEPHONE NO. \_\_\_\_\_

ATTACHMENT TO PAPER NO. \_\_\_\_\_

APPLICANT'S COPY